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AP - JP20000100101 20000225

CPY - KAMS

DC - L02

FS - CPI

IC - C04B16/02 ; C04B28/18 ; C04B103/60 ; C04B111/40

MC - L02-A03

PA - (KAMS) KAMISHIMA KAGAKU KOGYO KK

PN - JP2001240458 A 20010904 DW200212 C04B28/18 019pp

PR - JP20000100101 20000225

XA - C2002-026161

XIC - C04B-016/02 ; C04B-028/18 ; C04B-103/60 ; C04B-111/40 ; (C04B-028/18) ;
(C04B-022/16) ; (C04B-022/06) ; (C04B-016/02) ; (C04B-014/04)

AB - JP2001240458 NOVELTY - Compact is obtained by molding calcium silicate hydrate (H) of preset primary particle size adhered on cellulose fiber and drying molded component. Hydrate (H) is obtained by crystallizing a hydrothermalyzed raw material slurry (S). The slurry (S) comprises phosphate, a mixture of crystalline silicic acid raw material, calcareous raw material and water, and natural cellulose fiber raw material.

- DETAILED DESCRIPTION - The raw material slurry comprises 0.5-6 weight parts (wt.pts) of phosphate, 100 wt.pts of a mixture of crystalline silicic acid raw material, calcareous raw material and water, and 1-6 wt.pts of natural cellulose fiber raw material.

- An INDEPENDENT CLAIM is also included for calcium silicate compact manufacturing method.

- USE - The compact is useful as a construction interior material.

- ADVANTAGE - The calcium silicate hydrate particle is firmly adhered on the fiber surface, and thereby a compact of high bulk density, bending strength, mechanical strength and workability is provided. The compact has uniform or polished surface. The compact is manufactured inexpensively, since waste paper pulp fiber is used as cellulose fiber raw material.

- (Dwg.0/13)

C - C04B28/18

- C04B22/16

- C04B22/06

- C04B16/02

- C04B14/04

IW - COMPACT USEFUL INTERIOR MATERIAL OBTAIN CALCIUM SILICATE HYDRATE ADHERE SURFACE FORMING SLURRY PHOSPHATE SILICIC ACID CELLULOSE

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NC - 001

OPD - 2000-02-25

ORD - 2001-09-04

PAW - (KAMS) KAMISHIMA KAGAKU KOGYO KK

TI - Compact useful as interior material, is obtained by molding calcium silicate hydrate adhered on fiber surface which is formed by crystallizing hydrothermalyzed slurry of phosphate, silicic acid and cellulose fiber